

at1121exam_practice EXAMPLE! DO NOT HAND IN FOR CREDIT (v1)

- If you are looking for a practice exam that you can hand in for credit:

<https://chadworley.github.io/algtwo2026/u04/1121/at1121exam/at1121exam.html>

Question 1

Simplify the radical expressions.

$$\sqrt{28}$$

$$\sqrt{12}$$

$$\sqrt{45}$$

Question 2

Find all solutions to the equation below:

$$10((x+8)^2 - 7) = 90$$

Question 3

By [completing the square](#), find both solutions to the given equation. *You must show work for full credit!*

$$x^2 - 6x = 40$$

Question 4

A quadratic polynomial function is shown below in standard form.

$$y = 2x^2 - 12x + 9$$

Express the function in **vertex form** and identify the **location** of the vertex.